

IN THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in this application:

Claims 1-6 (Canceled).

7. (Previously presented) An orthodontic appliance organizer for storing orthodontic appliances in bulk and facilitating the setup of individual orthodontic cases without reorienting the appliances in transfer from a bulk supply thereof to a setup tray, the organizer comprising: an appliance organizer tray having a set-up tray support thereon with structure to restrain a set-up tray in a given fixed orientation relative to the organizer tray;
the appliance organizer tray also having a plurality of holders that are situated thereon so as to define a predetermined orientation relative to the set-up tray support, each holder provided with structure for holding a plurality of orthodontic appliances, each in the same predetermined fixed orientation on the organizer tray, for transfer to a set-up tray, that is supported in the given fixed orientation on the set-up tray support, with minimal reorientation of the appliance.
8. (Previously presented) The organizer of claim 7 wherein:
the structure of each of the holders for holding orthodontic appliances includes structure configured to receive a package of appliances and to hold the package in a fixed specific orientation relative to the organizer tray.
9. (Previously presented) The organizer of claim 7 wherein:
the structure of each of the holders for holding orthodontic appliances includes a recess having a pair of opposed slots on opposite sides thereof configured to receive a flange of a package of appliances and to hold the package in the fixed specific orientation relative to the organizer tray.

- 10.** (Previously presented) The organizer of claim 7 wherein:
the plurality of holders includes one holder for each of a plurality of upper teeth of a patient on which the appliances are to be mounted, the holders for the upper teeth being arranged along one side of the set-up tray support on the organizer tray, and one holder for each of a plurality of lower teeth of a patient on which the appliances are to be mounted, the holders for the lower teeth being arranged along another side of the set-up tray support on the organizer tray that is opposite said one side.
- 11.** (Original) The organizer of claim 7 further comprising:
a base having a plurality of storage compartments therein, each corresponding to one of the holders of the organizer tray and each configured to hold a supply of one of the orthodontic appliances; and
the organizer tray being moveably attached to the base so as to form an openable cover to the compartments therein.
- 12.** (Original) The organizer of claim 11 wherein:
the base has a compartment therein configured to hold a supply of set-up trays therein.
- 13.** (Currently Amended) ~~The~~ A system for organizing orthodontic appliances on a set-up tray comprising:
the organizer of claim 7;
a set-up tray on the set-up tray support in a predetermined fixed orientation relative to the organizer tray;
at least one of each of a plurality of orthodontic appliances, of a set that includes appliances configured for different teeth of a patient, held in each the holders of the organizer, each in the predetermined fixed orientation relative to the set-up tray.

- 14.** (Previously presented) The system of claim **13** wherein;
the at least one of each of the plurality of orthodontic appliances of the set includes a package
containing a plurality of identical ones of said appliances, each held in the package in
the same orientation relative to the package, the package being held in a respective
one of the holders of the organizer in the predetermined fixed orientation relative to
the organizer tray.
- 15.** (Original) The system of claim **14** further comprising:
a base openably attached to the organizer tray and having a plurality of compartments therein,
each having therein a plurality of packages therein of appliances corresponding to one
of the teeth of the patient.

- 16.** (Previously presented) An orthodontic appliance package for use in an organizer system to present a bulk supply of orthodontic appliances in a fixed predetermined orientation for transfer to a setup tray without substantial reorientation comprising;
- a carrier having a plurality of appliance constraining elements therein;
 - a plurality of substantially identical orthodontic appliances supported on the carrier, each appliance configured for placement on the same one, and only one, of the teeth of a patient;
 - a cover attached to the carrier to cover the plurality of appliances in each of the appliance constraining elements and removable from the carrier to simultaneously expose each of the plurality of appliances for removal from the constraining elements;
 - each appliance constraining element of the carrier having one of the plurality of orthodontic appliances therein, each constrained in the same orientation relative to the carrier, the appliance constraining elements snugly holding the respective appliances to the carrier when the cover is removed; and
 - guide structure configured to fix the orientation of the package relative to an organizer tray when the package is loaded onto cooperating structure on the organizer tray and to thereby present the appliances supported on the carrier in the same orientation that is predetermined in relation to the organizer tray.
- 17.** (Previously presented) The appliance package of claim **16** wherein:
- the carrier has an elongated recess therein containing the plurality appliance constraining element therein;
 - each appliance constraining element includes a cavity having surfaces shaped to hold one of the orthodontic appliances therein in a fixed orientation relative to the carrier; and
 - the guide structure includes a flange on the carrier configured to fit into slots on an organizer tray to attach the package to the organizer tray in an orientation that is fixed relative to an organizer tray.

- 18.** (Currently amended) The appliance package of claim **17** wherein:
the carrier has the flange on opposite sides thereof and has a handle at one end thereof;
each appliance has a base and a gingival edge on one side of the base; and
the ~~brackets~~ appliances are each confined, base down, in each of the cavities with the gingival edge thereof facing the handle of the carrier.
- 19.** (Currently amended) The appliance package of claim ~~[16]~~ 17 wherein:
the carrier has a handle at one end thereof;
each appliance has a base and a gingival edge on one side of the base; and
the ~~brackets~~ appliances are each confined, base down, in each of the cavities with the gingival edge thereof facing the handle of the carrier.
- 20.** (Previously presented) An orthodontic appliance supply comprising:
a plurality of the appliance packages of claim **16**, each containing a plurality of substantially identical orthodontic brackets in the same orientation relative to the carrier;
different ones of the appliance packages respectively containing different brackets of a set for mounting on different teeth of a patient.
- 21.** (Previously presented) The appliance package of claim **16** wherein:
the cover is slidably mounted on the guide structure so as to be slidably removable from the carrier to simultaneously expose the plurality of appliances and render the appliances accessible for removal from the appliance constraining elements.
- 22.** (Currently amended) The appliance package of claim ~~[21]~~ 17 wherein:
the cover is slidable on the flange.

- 23.** (Previously presented) The appliance package of claim **16** wherein:
each of the appliance constraining elements includes a cavity having surfaces shaped to hold
one of the orthodontic appliances in the cavity when the cavities are uncovered.
- 24.** (Previously presented) The appliance package of claim **17** wherein:
each of the appliance constraining elements has a shape configured to hold one of the
orthodontic appliances in the cavity when the cavities are uncovered.
- 25.** (Previously presented) The organizer of claim **10** wherein:
all of the appliances are in the same relative orientations with respect to the holders in which
they are held; and
the holders for each of the upper teeth arranged in a first orientation relative to the set-up tray
support, and the holders for each of the lower teeth are arranged in a second
orientation relative to the set-up tray support that is opposite the first orientation.
- 26.** (Previously presented) The organizer of claim **7** wherein:
all of the appliances are in the same relative orientations with respect to the respective
holders in which they are held; and
the holders include a first plurality of holders arranged in a first orientation relative to the set-
up tray support and a second plurality of holders arranged in a second orientation
relative to the set-up tray support that differs from first orientation.
- 27.** (Previously presented) The system of claim **14** wherein:
the plurality of holders includes a first plurality of holders in a first predetermined fixed
orientation relative to the set-up tray support on the organizer tray; and
the plurality of holders further includes a second plurality of holders in a second
predetermined fixed orientation, which differs from the first predetermined fixed
orientation relative to the set-up tray support on the organizer tray.

28. (Previously presented) The organizer of claim 7 further comprising:
a set-up tray supported in the given fixed orientation on the set-up tray support, the set-up tray having a plurality of areas thereon, each area configured for holding a different one of a plurality of appliances of a set orientated for transfer to the teeth of a patient with minimal reorientation; and
a plurality of appliances of an appliance set, each held in respective ones of the holders on the organizer tray in the predetermined fixed orientations for transfer to areas of the set-up tray.
29. (Currently amended) An orthodontic appliance package comprising:
an elongated carrier having a base with planar upwardly facing surface having an elongated downwardly extending recess formed therein;
the recess having a plurality of cavities therein arranged on a longitudinal centerline of the elongated recess, each cavity being adapted to receive and to snugly but releasably hold an orthodontic appliance;
the base having a flat flange that extends outwardly in a plane along sides of the recess with a tab handle formed at one end thereof and a pair of straight parallel edges extending along opposite transverse sides thereof for guiding and supporting the package in an organizer tray; and
a plurality of orthodontic brackets having substantially identical configurations that adapt the brackets for bonding to a specific one of a patient's teeth, each bracket having a bonding base with opposite occlusal and gingival edges and opposite mesial and distal edges, each bracket being packaged in the one of the cavities of the carrier with base facing down and oriented with the occlusal edges of their bases facing in the same direction along the longitudinal centerline of the recess.
30. (Previously presented) The organizer of claim 29 further comprising:
a flexible foam insert in the recess having the cavities formed therein.

- 31.** (Previously presented) The organizer of claim **29** further comprising:
an elongated cover having parallel internal channels formed along opposite transverse edges thereof which fit over the flange enclosing the brackets in the cavities and slidably removable from the carrier to expose the brackets for removal from the cavities.
- 32.** (Previously presented) The appliance package of claim **21** wherein:
each of the appliance constraining elements includes a cavity having a foam insert therein having surfaces shaped to snugly hold one of the orthodontic appliances in the cavity when the cover is removed.